

## SYSTEM AND METHOD FOR SWITCH TIMING SYNCHRONIZATION

### ABSTRACT OF THE INVENTION

5           A system and method have been provided for synchronizing  
the timing of line cards and switch cards in a broadband switch.  
Synchronization is accomplished using an auxiliary data link between the  
line and switch cards. One of the switch cards is selected as the master  
switch card. The master switch card receives timing information from the  
10 line cards, and in turn, sends timing correction signals to each of the line  
cards. Each line card acquires synchronization using its respective timing  
correction. A master line card is selected from among the line cards, and  
the slave switch cards adopt the timing of the master line card, becoming  
synchronized to the master switch card.